1) Constants

$$
\begin{aligned}
c &= 2.99 \times 10^{8} \left[\frac{\mathrm{m}}{\mathrm{s}}\right] \\
G &= 6.67 \times 10^{-11} \left[\frac{\mathrm{N} \cdot \mathrm{m}^2}{\mathrm{kg}^2}\right] \\
h &= 6.626 \times 10^{-34} [\mathrm{J} \cdot \mathrm{s}] \\
&= 4.136 \times 10^{-15} [\mathrm{eV} \cdot \mathrm{s}] \\
h \cdot c &= 1.986 \times 10^{-25} [\mathrm{J} \cdot \mathrm{m}] \\
&= 1240 [\mathrm{ev} \cdot \mathrm{nm}] \\
\hbar = \frac{h}{2\pi} &= 1.0546 \times 10^{-34} [\mathrm{J} \cdot \mathrm{s}] \\
&= 6.582 \times 10^{-16} [\mathrm{eV} \cdot \mathrm{s}]
\end{aligned}
$$